

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Judson R. Sharples, Kenneth F. Zacharias, Guy F. Hudson
Filed : Concurrently herewith Attorney Docket No.: 500441.04
Title : METHOD FOR CONTROLLING PH DURING PLANARIZATION AND CLEANING
OF MICROELECTRONIC SUBSTRATES

INFORMATION DISCLOSURE STATEMENT

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. §§ 1.56 and 1.97 through 1.98, applicants wish to make known to the Patent and Trademark Office the references set forth on the attached form PTO-1449. This application relies, under 35 U.S.C. § 120, on the earlier filing dates of prior Application No. 09/843,293, filed April 24, 2001, which is a continuation of Application No. 09/122,187, filed July 23, 1998, issued as U.S. Patent No. 6,220,934. The references listed on the attached Form PTO-1449 were submitted to and/or cited by the Patent and Trademark Office in these prior applications and, therefore, are not required to be provided in this application. If the Examiner wishes, copies will be provided upon request. Although the aforesaid references are made known to the Patent and Trademark Office in compliance with applicants' duty to disclose all information they are aware of which is believed relevant to the examination of the above-identified application, applicants believe that their invention is patentable.

Please acknowledge receipt of this Information Disclosure Statement and kindly make the cited references of record in the above-identified application.

Respectfully submitted,
DORSEY & WHITNEY LLP



Mark W. Roberts, Ph.D.
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Enclosure:

Form PTO-1449

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FORM PTO-1449 (REV.7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 500441.04	APPLICATION NO. Not yet assigned
INFORMATION DISCLOSURE STATEMENT <i>(Use several sheets if necessary)</i>		APPLICANT(S) Judson R. Sharples et al.	
		FILING DATE Concurrently herewith	GROUP ART UNIT Not yet assigned

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	3,638,366	02/01/72	Gamache	51	326	
	AB	3,841,031	10/15/74	Walsh	51	283	
	AC	3,957,553	05/18/76	Smith	156	22	
	AD	4,638,553	01/27/87	Nilarp	29	580	
	AE	4,879,258	11/07/89	Fisher	437	225	
	AF	4,903,440	02/27/90	Larson et al.	51	298	
	AG	4,910,155	03/20/90	Cote et al.	437	8	
	AH	4,927,432	05/22/90	Budinger et al.	51	298	
	AI	4,954,141	09/04/90	Takiyama et al.	51	296	
	AJ	4,954,142	09/04/90	Carr et al.	51	309	
	AK	4,962,776	10/16/90	Liu et al.	134	11	
	AL	4,973,563	11/27/90	Prigge et al.	437	225	
	AM	4,992,135	02/12/91	Doan	156	636	
	AN	5,174,816	12/29/92	Aoyama et al.	106	203	
	AO	5,209,816	05/11/93	Yu et al.	156	636	
	AP	5,262,354	11/16/93	Cote et al.	437	195	
	AQ	5,300,155	04/05/94	Sandhu et al.	148	33	
	AR	5,318,927	06/07/94	Sandhu et al.	437	225	
	AS	5,335,453	08/09/94	Baldy et al.	51	67	
	AT	5,340,370	08/23/94	Cadien et al.	51	308	
	AU	5,354,490	10/11/94	Yu et al.	252	79.1	
	AV	5,389,194	02/14/95	Rostoker et al.	156	636	
	AW	5,391,258	02/21/95	Brancaleoni et al.	156	636	
	AX	5,397,397	03/14/95	Awad	134	1	

EXAMINER	DATE CONSIDERED
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* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

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U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	BA	5,543,312	09/26/95	Haas et al.	428	143	
	BB	5,456,627	10/10/95	Jackson et al.	451	11	
	BC	5,482,497	01/09/96	Gonnella et al.	451	57	
	BD	5,492,858	02/20/96	Bose et al.	437	67	
	BE	5,551,986	09/03/96	Jain	134	6	
	BF	5,575,885	11/19/96	Hirabayashi et al.	156	626.1	
	BG	5,578,362	11/26/96	Reinhardt et al.	428	147	
	BH	5,578,523	11/26/96	Fiordalice et al.	437	190	
	BI	5,624,303	04/29/97	Robinson	451	285	
	BJ	5,643,044	07/01/97	Lund	451	5	
	BK	5,645,682	07/08/97	Skrovan	451	56x	
	BL	5,679,169	10/21/97	Gonzales et al.	134	1.3	
	BM	5,692,950	12/02/97	Rutherford et al.	451	552	
	BN	5,707,492	01/13/98	Stager et al.	156	645.1	
	BO	5,759,427	06/02/98	Cibulsky et al.	216	91	
	BP	5,782,675	07/21/98	Southwick	451	56	
	BQ	5,894,852	04/20/99	Gonzales et al.	134	1.3	
	BR	5,879,226	03/09/99	Robinson	451	287	
	BS	5,938,505	08/17/99	Morrison et al.	451	36	
	BT	5,972,792	10/26/99	Hudson	438	691	
	BU	6,028,006	02/22/00	Bawa et al.	438	692	
	BV	6,054,015	04/25/00	Brunelli et al.	156	345	
	BW	6,060,396	05/09/00	Fukami et al.	438	693	

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CA	6,220,934	04/24/01	Sharples et al.	451	36	
CB	6,368,194	04/09/02	Sharples et al.	451	67	
CC						
CD						
CE						
CF						
CG						
CH						
CI						
CJ						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	CK	EP0685299A1	12/06/95	EP	B24B	37/04	X	
	CL	JP408064562A	03/08/96	Japan	H01L	21/304	X	
	CM	EP0708160A2	04/24/96	EP	C09G	1/02	X	
	CN	JP08112740A	05/07/96	Japan (English Abstract)	B24B	1/00		X
	CO	WO96/16436	05/30/96	PCT	H01L	21/3105	X	

OTHER PRIOR ART *(Including Author, Title, Date, Pertinent Pages, Etc.)*

	CP	Uematsu et al., "Efficient Mechanochemical Polishing for Silicon Nitride Ceramics", <i>NIST Spec. Publ.</i> 847, (Machining of Advanced Materials): 409-413, 1993
	CQ	

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